# Performance Data Sheet

## AJE4517ZKZ

## General Information

| | | | |
|---|---|---|---|
| **Model** | AJE4517ZKZ | **Refrigerant** | R-404A |
| **Test Condition** | Tecumseh Europe | **Performance Test Voltage** | 220V 3~ 50HZ |
| **Return Gas** | -6.7°C (20°F) SUPERHEAT | **Motor Type** | 3PH |

## Performance Information

| Evap Temp (°C) | | Condensing Temperature (°C) | | | |
|---|---|---|---|---|---|
| | | 30 | 40 | 50 | 60 |
| -6.7 | Watts (Capacity) | 3450 | 2900 | 2340 | 1790 |
| | Watts (Power) | 1090 | 1170 | 1240 | 1320 |
| | Amps | 3.96 | 4.21 | 4.46 | 4.71 |
| -5 | Watts (Capacity) | 3720 | 3130 | 2540 | 1950 |
| | Watts (Power) | 1100 | 1190 | 1280 | 1370 |
| | Amps | 3.98 | 4.26 | 4.54 | 4.81 |
| 0 | Watts (Capacity) | 4590 | 3880 | 3180 | 2470 |
| | Watts (Power) | 1150 | 1270 | 1380 | 1500 |
| | Amps | 4.06 | 4.41 | 4.76 | 5.11 |
| 5 | Watts (Capacity) | 5580 | 4750 | 3910 | 3080 |
| | Watts (Power) | 1200 | 1340 | 1480 | 1620 |
| | Amps | 4.16 | 4.57 | 4.98 | 5.39 |
| 7.2 | Watts (Capacity) | 6050 | 5160 | 4260 | 3370 |
| | Watts (Power) | 1220 | 1370 | 1520 | 1670 |
| | Amps | 4.21 | 4.64 | 5.07 | 5.51 |
| 10 | Watts (Capacity) | 6690 | 5720 | 4740 | 3760 |
| | Watts (Power) | 1240 | 1410 | 1570 | 1740 |
| | Amps | 4.27 | 4.73 | 5.19 | 5.65 |
| 15 | Watts (Capacity) | 7930 | 6800 | 5670 | 4540 |
| | Watts (Power) | 1290 | 1470 | 1660 | 1840 |
| | Amps | 4.40 | 4.90 | 5.39 | 5.89 |

| COEFFICIENTS | CAPACITY | POWER | CURRENT | MASS FLOW |
|---|---|---|---|---|
| C1 | 6.674045E+03 | 8.046416E+02 | 3.014798E+00 | |
| C2 | 2.584003E+02 | -6.932007E+00 | -2.155600E-02 | |
| C3 | -6.848257E+01 | 1.147814E+01 | 3.503937E-02 | |

| | | | | |
|---|---|---|---|---|
| C4 | 3.240734E+00 | 2.058089E-01 | 1.015907E-03 | |
| C5 | -2.416530E+00 | 5.402131E-01 | 1.309703E-03 | |
| C6 | -4.349205E-02 | 1.791538E-03 | -1.383510E-06 | |
| C7 | -1.000000E-16 | 0.000000E+00 | 0.000000E+00 | |
| C8 | -2.657970E-02 | -6.670360E-03 | -2.346400E-05 | |
| C9 | -1.010000E-04 | 4.850000E-05 | 1.360000E-07 | |
| C10 | 2.830000E-04 | -1.000000E-16 | 0.000000E+00 | |

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature